Title: System and Method for Automatically Reducing Noise for Video Encoding Inventor: Alvarez; Page 1 of 6

Serial No.: 10/045,894; Filed: October 29, 2001

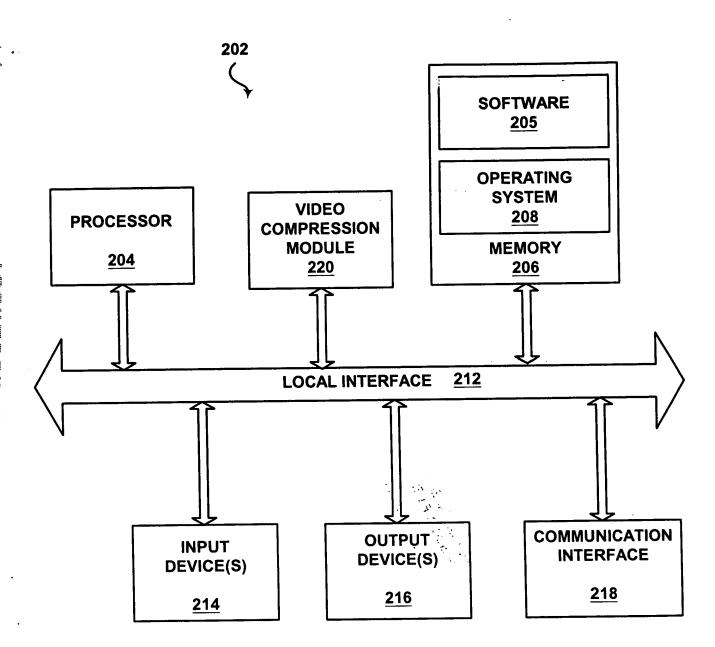


FIG. 1

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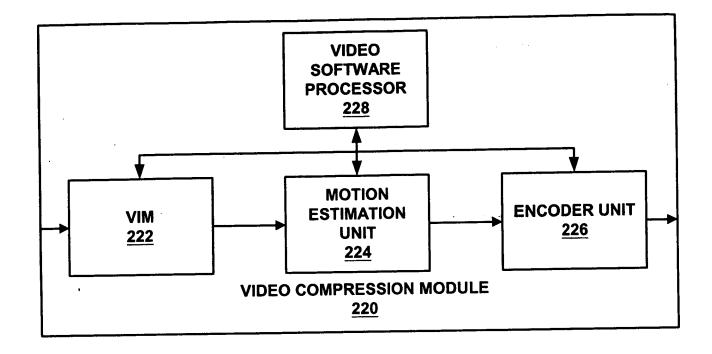


FIG. 2

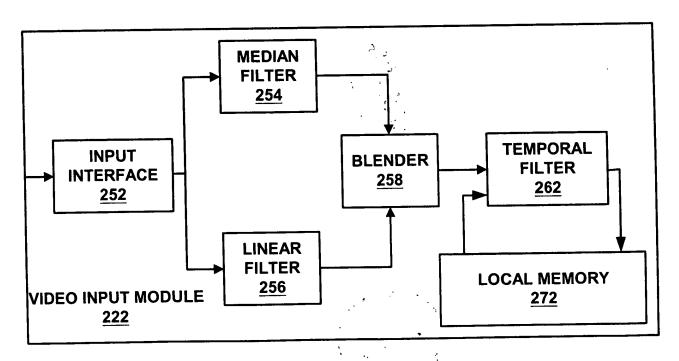
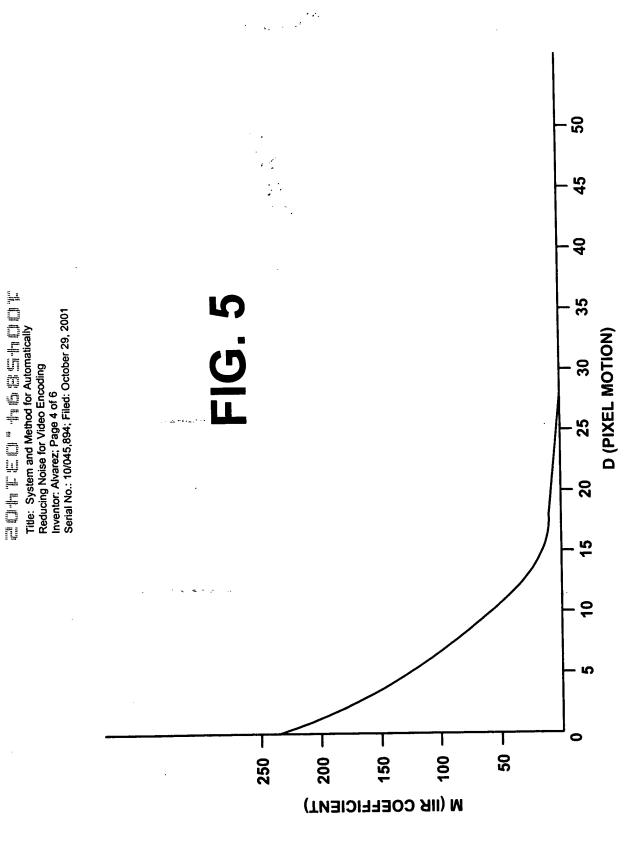
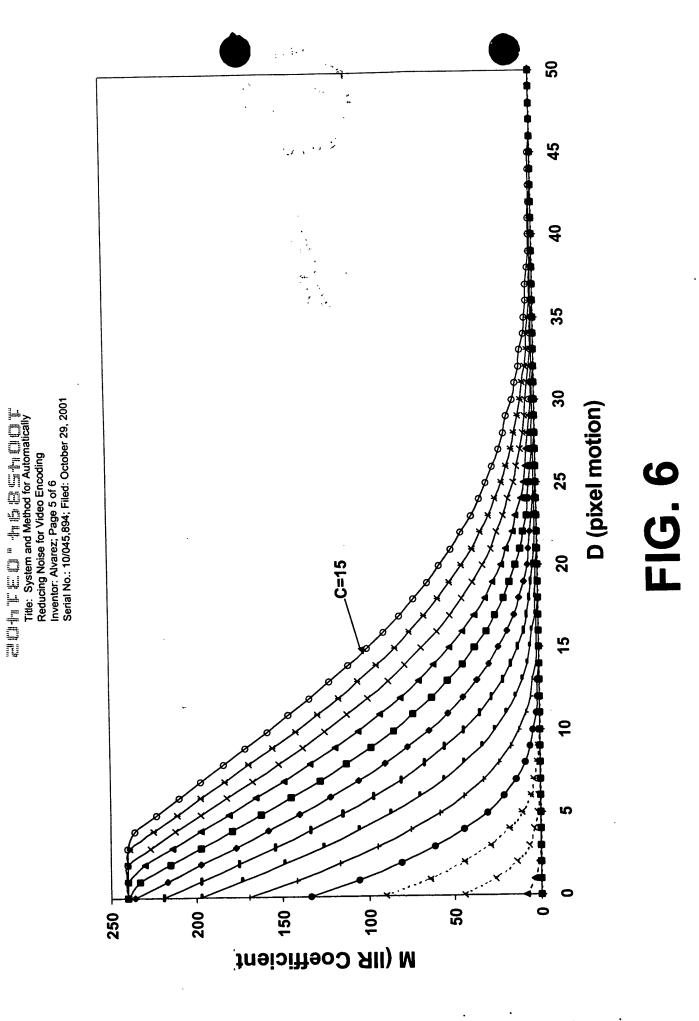


FIG. 3

TEMPORAL FILTER Σ TEMPORAL MEMORY FILTER **5**69 HORIZONTAL **LOW PASS** FILTER 268 GENERATOR STATISTICS 267 BUFFER 266 CONVERSIO N DEVICE 264 263 **PREVIOUS** FILTERED CURRENT FIELD FIELD

FIG. 4





50 5 8 1 35 30 D (pixel motion) 20 15 9 S 0.4 0.2 0 9.0 0.5 0.3 0.1 0.8 0.7 0.0 wobniW

FIG. 7

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